INDEX TO NATUREMAGAZINE

January-December 1950 (Gen. indicates a general article; fig., a photograph or drawing; rev., a review; port., a portrait.)

ANTHROPOLOGY
Ancient Man, North Am., 5 (rev.),
Caches, 548.
Evolution, Meaning, 6 (rev.),
Exploring Prehistoric Ruins, 339 (rev.),
Indian Relies, 13.
Man and This Universe, 115 (rev.),
Middens, 548.
Races of man, 220 (rev.),

ASTRONOMY
Astronomy Handbook, 380.
August-Sept. Skies, 379-380 (gen., fig.), 384. August-Sept. Skies, 379-380 (gen., fig.), 384.
Beginners' Astronomy, 451 (rev.).
Constellation and Zodiacal Signs, 268-269 (gen., fig.), 273.
Heavens in 1950, 44-45 (gen., fig.), 50.
Heavens in 1950, 44-45 (gen., fig.), 50.
Mars near the Earth, 156-157 (gen., fig.), 324-325 (gen., fig.), 325-325 (gen., fig.).
Moon, eclipse, 380.
Moon, eclipse, 380, 107.
Observatories, 435-436 (gen., fig.), 442.
Persaids, 379.
Saturn, 380.
Southern Cross, 98-99 (gen., fig.), 102.
Star Maps, use of, 492-493 (gen., fig.), 500.

BIOGRAPHY

Universe, measuring, 164 (rev.).

BIOGRAPHY
Abbott, J. B., 299.
Agassiz, Louis 62.
Assisi, Francis of, 507.
Bailey, Plorence M., 153-154 (port.).
Bailey, Liberty H., 170-171 (rev.).
Bailey, Liberty H., 170-171 (rev.).
Bailey, Jaberty H., 170-171 (rev.).
Bailey, Jaberty H., 170-171 (rev.).
Bailey, Jaberty H., 170-171 (rev.).
Bibron, Gabriel, 17.
Collins, R. L., 70 (port.).
Collins, R. L., 70 (port.).
Comstock, Anna B., 429-430.
Cuvier, Baron, 17.
Explorer Naturalist, 162 (rev.).
Dickey, David, 70 (port.).
Dumeril, A.M. C., 17.
Explorer Naturalist, 162 (rev.).
Gill, Theodore, 19.
Gill, Theodore, 19.
Gill, Theodore, 19.
Gill, Theodore, 19.
Liers, Emil, 127-129 (port.).
Liers, Emil, 128-129 (port.).
Liers, Emil, 128-129

BIRDS Acanthis flammea, 365. Acanthis flammes, 365.
Albatross, 319.
Bird Houses, 107.
Bird Houses, 107.
Bird Houses, 107.
Bird Photography, India, 341 (rev.).
Bird Protection, Holland, 483.
Birds, Audubon's, 223.
Birds, Audubon's, 223.
Birds, Audubon's, 223.
Birds, Foreign game, 287.
Birds, Foreign game, 287.
Birds, Life Histories, 387.
Birds, migration of, 513.
Birds, protected, 339 (list.)
Birds, Rocky Mountain, 341 (rev.).
Birds, Birds, Portected, 398 (list.)
Birds, Portected, 398 (list.) Bluebird, 134, 375, mountain, 362. Bobolink, 322. Bobolink, 323, 375, 476. Bower bird, golden, 67. Bower bird, golden, 67. Bower bird, golden, 67. Bower, 361 (fig.), 368 (gen.), Bustard, 319. Bustard, 318, 256. Bustard, 318, 257. Bustard, 318, 257.

Buzzard, 318. Capercaille, 287. Cardinal, 231, 295. Carpodacus purpureus ,365.

Cassowary, 319. Catbird, 375. Chickadee, mountain, 347 (fig.). Cherles, 289, 291. Cherles, 289, 291.
Cockatoo, 319.
Condor, 13, 318.
Cornorat, 175, 231.
Crane, sandhill, 118 (rev.).
whooping, 146, 319 (fig.).
Crossbill, red, 362 (fig.), 366 (gen.).
Crow, 107, 134, 155, 321, 319, 376
Crow Lindness, 6.

Nuthatch, pygmy, 234.
Ornole, 230.
In booded 14.
Ornole, 230.
In booded 14.
Obstrich, 36, 319.
Owl, 138, 331.
arctic, 403.
burrowing, 207.
elf, 72.
great hornol, 72, 87, 129 (fig.), 231.
aww-whet, 72, 73 (fig.), 108.
astreech, 353, 901 (igen., fig.).
Pariot 319.
kaka, 319.
peasorel, 526 (fig.).
white, 231, 369, 520-522 (gen., fig.).
Pengun, 65, 123.
erect-created, 520.
gentoo, 319.
king, 319.
yellow-eyed, 520-521 (fig.).
phalionopepla, 14, 372.
phalionopepla, 14, 372.
phalionopepla, 14, 372.
Pheneticus ludovicianus, 364.
Phoebe, 375.
Pigeon, 134.
band-tailed, 15, 146.
passenger, 292.
Phicolal annelecator, 365.
Pipit, 290.
Pictrophenax nivalis, 368.
Plover, golden, 288-292 (gen., fig.).
Pluvials dominica, 299.
Poocette gramineus, 366.
Pipit, 290.
Plocette gramineus, 366.
Pramic phalionis, 368.
Plover, golden, 288-292 (gen., fig.).
Pluvials dominica, 299.
Poocette gramineus, 366.
Pramic phalionis, 376.
Kaerna, 18, 375, 376.
Mearna, 17, 377, 376.
Mearna, 18, 377, 376.

Shrike, 123, 321. Siskin, pine, 363 (fig.), 365 (gen.). Sparrow, 15, 67, 134, 361-368 (gen.,

parrow 15, 67, 134, 361-368 (gen.); g.), Bachman's, 390, chipping, 361 (fig.), 362-367 (gen.), English, 119, 362; gen.), English, 119, 362; gen.), 10x, 361 (fig.), 388 (gen.), 10x, 361 (fig.), 388 (gen.), 10x, 361 (fig.), 362, 390, 11x, 363, avannah, 362; gen.), 361 (fig.), 362, 368 (gen.), 361 (fig.), 362, 368 (gen.), 361 (fig.), 362, 368 (gen.), 390, white-crowned, 361 (fig.), 362, 366 (gen.), 390, white-crowned, 361 (fig.), 362, 362, 367 (gen.)

(gen.). white-throated, 361 (fig.), 362, 367

gen.).

white-throated, 361 (fig.), 362, 367

spizella arborea, 367, passerina, 367, passerina, 367, passerina, 367, Spinus pinus, 365, trisita, 365, Starling, 375, Stork, 319, spizel, 375, spizel, 37 Trogon, 319.

(gen.).
Trogon, 319.
Trogon, 319.
Trogon, 319.
Trogon, 319.
Turkey, brush, 319.
Wild, 319 (fig.).
Turkey buzzard, 123.
Virkey buzzard, 123.
Virter, buzzard, 124.
Vulture, black, 14.
Turkey vulture, 14, 318.
Warbler, 15.
Audubon, 236.
Audubon, 236.
palm 397.
Townsend, 234.

western yellowthroat, 234.
Waterfowl, 146, 231, 343.
Water ouzel, 65 (fig.), 66 (fig.), 348.
Whip-poor-will, 121, 337.
Whiskey jack, 105.
Wild Wings in Flight, 348.
Woodpecker, 15, 331.
down, 6.
hality, 6.
hality, 6.
hillouted, 6.
hillouted, 6, 548,
red-headed, 6.
three-toed, 348.
Wren, 15.
cactus, 295.
marsh, 290.
spruce, 346.
tule, 369.
winter, 346. winter, 346. Zonotrichia albicollis, 367. leucophrys, 367.

CONSERVATION CONSERVATION
As We See It, 89 (ed.).
Brandy wine Creek, 81-83 (gen., fig.).
C.LO., 397.
Conservation Foundation, 7220.
Conservation Foundation, 7220.
Conservation Nat. Resources, 451 (rev.).
C. V.A. and Conservation, 113, 118.
Duck Starty Tract, 231.
Duck Starty Tract, 231.
Duck Starty Tract, 231.
Duck Starty Tract, 231.
Fish and Wildlife Notes, 331.
Fishing Licenses, 218.
Golden Rule, Wildlife, 146-148 (gen., fig.).

Eminia College, 428-427.
Eminia College, 428-427.
Esha and Wildlife Notree, 331.
Esha College, 149.
Esha Plants, poisonous, 473-481 (gen., fig. 496, poppy, opium, 480, Poppy, opium, 480, Protopine, 476, Rhus toxicodendron, 479, Saponin, 477, Saponin, 477, Saponin, 477, Saponin, 477, Tobacco, 481, Veratridine, 476, Veratridine, 476, Water hemlock, 475 (fig.), 479, Wuchereria bancroftl, 448, malayl, 447, Electric 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 1989, 19

matayl, 447.

FISHES
Albacore, 38.
Bass, 190.
large mouthed, 142, 355.
small mouthed, 142, 190.
Beau gregory, 192.
Bontto, 39.
Carp, 15, 175, 318.
European, 142 (fig.).
Carp stable, 141, 190.
blue, 15.
bullhead, 15.

channet, 15.
yellow, 15.
Cod, 38, 318.
Crappie, 142.
Cods, 38, 318.
Crappie, 142.
Dolphin, 318.
Esox americanus, 142.
Esox americanus, 142.
Fisherman's Encyclopedia, 285 (rev.), 15ishes, California, 105.
fossil, 69, 179.
fresh-water, 50, intelligence, 189-192 (gen., fig.).
Flating, 250, 251.
Factic, 17, 173 (rev.).
Goldfish, 15, 158, 191, 442.
Haddock, 36.
Halbut, 38.
Jewel fish, 252 (fig.).
Marin, 318.
Markerel, 190.
Marin, 318.
Hollbrook, 52.
top, 15.
Muskellunge, 190.
Oarfish, 415-416 (gen., fil.), 442.
Perch, 190.
yellow, 141.
Pickerel, banded, 142.
common, 142.
Red shiner, 15.
Salmon, 38, 41, 191 (fig.), 318.
Sea horse, 262 (fig.).
Salmon, 38, 41, 191 (fig.), 318.
Sea horse, 262 (fig.), 141.
Green, 15.
Salmon, 38, 41, 191 (fig.), 318.
Sea horse, 262 (fig.).
fossil, 12.
Sunfash, 141.
green, 15.
Sunfash, 141.
green, 15.
Sunfash, 141.
green, 15.
Sunfash, 318, 390.
Tarpon, 192.
Trout, 128, 189, 190.
browlett, 189, 189.
browlett, 189, 189.
Brown Gardon Club Memories, 283 (rev.).
Gardon Club Memories, 283 (rev.).

GARDENS AND GARDENING Garden Club Memories, 283 (rev.). Gardens, School, 281. Garden Workbook, 62 (rev.).

FORESTRY Finland's Forests, 356-358 (gen., fig.), Finland's Forests, 356-358 (gen., ng.), 384.
Forest Areas, 275 (changed).
Forest Products, 453 (rev.).
Forest Report, 169 (rev.).
Forest Report, 169 (rev.).
Forestry, Philippines, 7.
Pack Forestry Foundation, 383.
Flantag Forestry Foundation, 383.
Redwood Grozyan, 163.
Redwood Grozyan, 163.
Trees-planting, 642-343 (gen., fig.).
Trees, growing, 124-125 (gen., fig.), 162.
Wood, in School, 48 (gen., fig.).
Wood, in School, 48 (gen., fig.).

GEOLOGY, MINERALS, METALS, TOPOGRAPHY

GEOLOGY, MIRRALS, METALS, TOPOGRAPHY
Agate, 13, 526,
Amazonite, 628
Amazonite, 628
Amazonite, 628
Cath-drais, of the Desert, 150.
Cath-drais, 526
Coal, 12.
Cross-Country, 329 (rev.).
Cross-Country, 329 (rev. scens-stone cutting, 253-254 [Gold, 35].
Horneblende-gneiss, 527.
Jade, 526, 528.
Jasper, 13.
Lapis-lazuli, 528.
Mineral deposits, 383 (rev.)
Opal, fire, 528.
Quartz, 527.
Rhodonite, 528.
Ruby, 528.
Sapphre, 536. Sapphire, 526. Selenium, 480 Silver, 13. Silver, 13.
Show, crystals, 522.
Snow, crystals, 527.
Susquehanna River, 395 (rev.).
Turquose, 528.
Urantum, 35, 527.
Wonderland of Lava, 349-352 (gen.,

INSECTS AND OTHER INVERTEBRATES

INVERTEBRATES
Anamobia ichneumonea, 303.
Arnoeba, 223.
Amphidasya, 244 (gen., fig.).
Anable pe, 65 (fig.).
Anable pe, 65 (fig.).
black, 76, 132.
harvester, 106.
[seaf-cutting, 296.]

Aphid, 303.
Aphis-lion, 106.
Bees, Dakota, 341.
Beetle, 256, 292, 306
Japanese, 534.
ladybird, 68,132.
passalid, 354.
whirl gig, 375.
Blood fluke, 503.
Blowly, 306.
Butterfly, monarch, 359 (fig.).
Cardium stantoni, 59 (fig.).
Cardium stantoni, 50 (fig.).
Cardium stantoni, 50 (fig.).
Chelma, 300.
Chelma, 300.
Chelma, 300.
Chelma, 300.
Chelma, 300.
Chelma, 300.
Chelma, 303.
Cleada, 183, 303. Chiton, 151.
Chioron ichneumoneum, 303.
Cicada, 183, 303.
Cicada, 183, 303.
Cicada, 184, 17 (tossil).
butter, 77.
geoduck, 76-79 (gen., fig.), 108.
Climacia arcolaris, 74 (fig.).
Cowry, colorful, 528 (gen., fig.).
Crab, 151.
marine, 69 (fosail).
Crawfish, 128.
Cricket, 132, 291, 292, 376, 303.
Cuculiaca vidgaris, 69 (fig.).
Cutworm, 291.
Cutworm, 291.
Cutworm, 291.
Carthworm, 43, 265, 331. Dragonity, 267. Earthworm, 43, 265, 331. Exogyra costata, 69 (fig.). Fly, 132, 303. banner, 126. big-eyed, 112. brine, 392. flat-footed, 112. flat-footed, 112. fruit, 504. house, 7, 132, 392. koo-tsabe, 392. lace-wing, 74. petroleum, 392. robber, 267. spongilla, 74-75 (gen., fig.), 106. tachind, 394. robber, 267.
robber, 267.
robber, 267.
spongilla, 74-75 (gen., fig.), 106.
tachind, 304.
tachind, 304.
tachind, 304.
tachind, 304.
tachind, 304.
tachind, 304.
Gaid, 267.
Gaid, sweetbriar, 263 (gen., fig.).
Gastropod, 71 (losail).
Geoduck, 76-79 (gen., fig.), 108.
Grasshopper, 132, 248, 266, 291, 292, 296, 332, 376.
long-borned, 304 (fig.).
Gyrodes major, 69 (fig.).
Harvestman, 264-267 (gen., fig.), 276.
Hexagenia limbata, 308 (fig.).
rigida, 307.
Hopioparia tambata, 308 (fig.).
rigida, 307.
Hopioparia tambata, 308 (fig.).
Katydid, 266, 303, 376.
Lambouran borgipes, 264, 267.
Lambouran borg

codding, 68.
Polyphemus, 196-197 (gen., fig.).
sphiox, 41.
Musca domestica, 392.
Mused, 151, 481 (gen., fig.).
Nautilus, 71 (tossil).
Octopus, 71 (tossil).
Octopus, 71 (tossil).
Paramerements, 73.
Paramecum, 222-224 (gen., fig.).
Paramecum, 222-224 (gen., fig.).
Presonality Clam, 76-77 (gen., fig.).
Photol., 300, 301.
Photol., 300, 301.
Photol., 300, 301.
Photol., 301, 302.
Photol., 302.
Plant Louse, 74, 266.
Plant Louse, 74, 266.
Plant Louse, 74, 266.
Plant Louse, 74, 266.
Puprestina densatue, 69 (fig.).
Putty bug, 302.
Rhodites rosae, 233 (fig.).
Roach, 132.
Neale, cotton cushion, 296.
Secupion, 248.
Silkworm, 318.
Silkworm, 3

(fig.). Tarantula, 293 (fig.), 294.

Teica polyphemus, 19.2 Teredo, 300 (fig., 301. Threadworm, nematode, 132. Trigonia thoracica, 69 (fig.). Turritella vertebroides, 69 (fig.). Volutomorpha mutabilis, 69 (fig.). Wasp, 75. chalcid, 75. chaled, 75. cicada, 303. digger, 303-304 (gen., fig.). Whelk, 71 (fossil). Wireworm, 291, 359. Worm, 69. Webs in Wind, 3 (rev.).

Anteater, 65.
Lurrandua, 65.
Lurrandua, 65.
Lurrandua, 66.
Lurrandua, 68.
Lurrand Bahoon, 36.
Badger, 14, 106, 139.
Banteng, 320.
Bat, 13.
free-tailed, 14.
red, 139.
vampire, 136 (fig.), 176-179 (gen., partial partia sed, 140, 440, swift, 144, Fur Situation, 383, Galago, 31-37, 320, Garant, 31-37, 320, Grant, 36, 37, Grante, 36, 320, brindled, 34 (fig.), Gout, 187, Gordin, 34, 32, Greyhound, 65, Hadgehog, 70, Hippoporamus, 35 (fig.), 37 pygny, 320, Horse, 139, 140, wild, 320, hydramus, 36, Lacque, 36, Januar, 320, J

Lion, 36, 37, 319.

Gir, 318.

Gir, 318.

Gir, 318.

Gir, 318.

Mammalian, Anatomy, 111 (rev.).

Mammalian, Canadian, 344 (rev.).

Mole, 132.

common, 189, 331 (fig.).

star-nosed, 353-355 (gen., fig.).

Mountain goat, 175, 320.

Mountain goat, 175, 320.

Mountain ion, 14, 286.

Mouse, deer, 14.

Ridd, 34-39 (sen., fig.).

grade, 14.

Ridd, 34-39 (sen., fig.).

pocket, 14, 106, 406.

white-footed, 355.

Moose, 169, 273, 321.

Mule, 179 (fig.), 322.

Mule, 179 (fig.), 322.

Muskrat, 199, 331.

Monkey, 36.

Dorossum, 14, 70, 331.

Orangutan, 320.

Oyassum, 14, 70, 331.

Orangutan, 329.

Orytologus, 314.

Oryt, 35, 31-152 (gen., fig.).

sea, 38, 14.

Peccary, 14.

Pika, 347.

Pitaypus, 320.

Rabbit, 14, 65, 126, 139 (fig., tracks)

314-316 (gen., fig.), 331.

Jack, 65

Raecoon, 139, 140, 331.

Rat, 151.

Cotton, 14.

Kangaroo, 14, 91 (fig.), 139.

Reindeer, 320. Rat, 151.
Cotton, 14.
Cotton, 14.
Kangaroo, 14, 91 (fig.), 139
Reindeer, 320.
Rinineeros, 37, 320, 350.
Javanese, 297-298 (gen., fig.), 332.
two-horned, 320.
white, 35, 36.
Sea elephant, 185-188 (gen. fig.).
Seal, 139, 187, 320.
Sealion, 390. Sealion, 390. Sheep, 318. bighorn, 14, 149 bighorn, 14, 149. Shrew, common, 139. short-tailed, 139. Skunk, 14, 94, 139, 155, 295 (fig.), 331. Sloth, prehistoric, 214 (fig.).

441.

Stoth, prehistoric, 214 (fig.). Spermophile, 139.
Springbok, 329.
Squirrel, 12, 14, 183.
Douglas, 540 (fig.).
flying, 139, 152, 536 (fig.).
flying, 139, 152, 536 (fig.).
flying, 139, 162, 536 (fig.).
red, 139.
red, 139.
rock, 14.
Tsger, 298, 319.
Vicuna, 320.
Water buffalo, 320.
Water chevrotain, 320.
Water chevrotain, 320.
Water chevrotain, 320.
Water chevrotain, 320.
bue, 66 (fig.), 139, 320.
blue, 66 (fig.), 139, 320.
blue, 66 (s.)
sperm, 66.

Killer, 188. sperm, 66. Wildebeest, 34, 36, 37, 320. Wold, 139. Woodehuck, 139, 140, 374, 376 (fig.). Woodrat, 14. Zebra, 36, 37, 329. Burchell's, 34 (fig.).

MICROSCOPY

Bone, 278-280 (gen., fig.).
Bullet Comparison, Microscope, 224 (gen., fig.).
Gametophyte, 554.
Microscopic Tissues and Organs, 111 (rev.).

Microscopic Tissues and Organs, 111 (rev.), Money, 54-56 (gen., fig.). counterfeiting, 166-168 (gen., fig.), 391-392 (gen., fig.). Spares, 555 (fig.). Spares, 555 (fig.). Inder the Microscope, 54-56 (gen., fig.), 110-111 (gen., fig.), 166-168 (gen., fig.), 222-224 (gen., fig.), 278-280 (gen., fig.), 334-336 (gen., fig.), 502-504 (gen., fig.), 54-556 (gen., fig.), 502-504 (gen., fig.), 554-556 (gen., fig.),

NATURE EDUCATION NATURE EDUCATION
American Nature Study Sec, 164, 498.
Animals, Marine, 112 (rev.).
Auduben Camps, 229.
Auduben Society, Mich., 217.
Biology, Human Implications, 392
(rev.).
Biology, General, 383.
Biometrical Genetics, 117 (rev.).
Call of the West, 154 (rev.).
Come unto Me, 59 (rev.).

Bean, lima, 204.

Conservation, 384 (rev.).
Cornell Leader, 51 (rev.).
Contryman's Year, 2 (rev.).
Desert Study, 217.
Peed your Friends, 228 Science, 137-144
(gen., fig.).
Gamekeeper at Home, 226 (rev.).
Haleyon Days, 2 (rev.).
Natiral Books, 51 (rev.), 273-274 (gen., fig.).
Natural Sets, 51 (rev.), 273-274 (gen., fig.).
Nature Crafts, 225 (rev.).
Nature Crafts, 225 (rev.).
Nature Crafts, 225 (rev.).
Nature on Microfilm, 118.
Nature on Microfilm, 1

Bean, lima, 204. Lechuguilla, 52. Leck, 481. Blocdroot, 21, 242 (fig.). Blocdroot, 21, 242 (fig.). Blocdroot, 21, 242 (fig.). Lemma traulca, 253. minor, 253. Lilum washingtonianum, 40 (gen., Lilum washingtonianum, 40 (gen., 

Lycesteris, 242.
Lyceperdon pyriforme, 310 (fig.).
Maragold, 49.
Maragold, 49.
Maragold, 49.
Maragold, 49.
Milkevel, 192 (fig.).
Micseal, 52.
Milk-vetch, 480.
Milkwed, 192 (fig.).
Moceasin, pink, 241.
Moon-seed, 473 (fig.).
Morchald discuss, 311 (fig.).
Morchald discuss, 473 (fig.).
Morchald discuss, 473 (fig.).
Morchald discussion, 412 (fig.).
Malagold discussion, 412 (fig.).
Multin, 243.
Mult dove, 68. dove, 68. phantom, 184 (gen., fig.), 218. Orontium aquaticum, 253. Parsley, 392. Parsnip, 392. Partridge berry, 41 (fig.), 42, 423. Larsey, 352.

Jarsing, 352.

Jarsing, 352.

Jean, Berry, 41 (fig.), 42, 423.

Pea, sweet, 49.

Pea, sweet, 49.

Pea, sweet, 49.

Pealargonium, 241.

Petlandra virgniea, 422 (fig.).

Pentstemon, 52.

white, 106.

Pepperweed, prairie, 106.

Pepperweed, prairie, 106.

Pepperweed, prairie, 106.

Pepperweed, 26, 42.

Phylolacca amergia, 420 (fig.).

Phylolacca amergia, 43.

Plantain, rattlessake, 41 (fig.).

Plants, Australian, 21-27, (gen. fig.).

Pods, 477, (fig.), 477.

Polygorum amphibum, 254.

Polygorum amphibum, 254.

Polygorum applinatus, 312 (fig.).

Podsporus applinatus, 312 (fig.).

Podmogeton natans, 252.

Potamogeton natans, 252.

Potamogeton natans, 252.

Potamogeton ratans, 252.

Potamoget, 203.

Prairie crocus, 242 (fig.).

Primese, alpine, 318.

evening, 92 (fig.).

Prairie crocus, 212 (fig.).

rodman, 312 (fig.).

Psaralea, 192.

Purfball, 310 (fig.).

Pumpkin, 204 (fig.).

Pyrola, 43. Pumpkin, 204 (fig.). Pyrola, 43. Queen Anne's lace, 314 Ram's head, 241. Pyrela, 43.

Pyrela, 43.

Queen Anne's lace, 314

Ram's bead, 241.

Ram's bead, 241.

Ram's head, 241.

Ramuseulus acris, 143.
aquatilis, 255.

Reed grass, 192.

Riccia fluitana, 252.

Riccia fluitana, 252.

Riccia fluitana, 252.

Riccia fluitana, 253.

Riccia fluitana, 254.

Riccia fluitana, 254.

Riccia fluitana, 252.

Salt-scale, 489.

Salt-scale, 489.

Salt-scale, 489.

Salt-scale, 489.

Scaltosa, 242.

Scaltosa, 242.

Scaltosa, 242.

Scarpa, 242.

Scaltosa, 242.

Scaltosa, 242.

Scaltosa, 243.

Scaltosa, 244.

Scarpa, 244.

Skuli cap, 241.

Skunk cabbage, 423 (fig.)

Smartweed, 196, 574, 480.

Smartweed, 196, 574, 480.

Smartweed, 196, 574, 480.

Smartweed, 196, 574, 480.

Smartweed, 242.

Smartweed, 196, 574, 480.

Smartweed, 244 (fig.).

Solonum carolinensis, 241 (fig.).

Solonum carolinensis, 421 (fig.).

Solonum, 478.

fig. 354 (fig.).

Sparterdee, 256 (fig.).

Spitcheard, 478 (fig.).

sun, 478.

sun, 478.

Sur shootiet, 448.

Startlower, 43.

Startlower, 43.

Startlower, 43. Squash, 203. Starflower, 43. Star shooting, 241 (fig.). Stinkhorn, 309 (fig.). St. Johnswort, 480.

Stonecrop, 15.
Stork's head, 241.
Strawberry, 204, 241
Strawberry, 204, 241
Sundow, 43.
Sundower, 91. (fig.).
Tansy, 241.
Teasel, 375.
Russian, 90. (fig.), 91. (fig.), 92.
Three-awn, red. 91, 92. (fig.), 92, 106.
Tomato, 202-204 (gen., fig.).
Tradescantia, 242.
Tradescantia, 242.
Trapa nataus, 255. Tradescantia, 242.
Trapa natans, 255.
Trillium, 241 (fig.), 243.
Trulles, American, 461-463 (gen., fig.)
Tuber, 461.
Tumble-greass, 106.
Tumbleweed, 90 (fig.).
Turk's cap, 241, 243 (fig.).
Turtlehead, 241. Tumbieweed, 90 (fig.).
Turtichead, 241. High.
Ascellata, 424 (fig.).
Verarum album, 476.
viride, 476.
Violet, African, 42.
Wake-robin, 241 (fig.).
Water burtercup, 251 (fig.), 255 (gen.).
Water chestnut, 249 (fig.), 251, 255 (gen.).
Water hyacinth, 249 (fig.), 250, 254 (gen.).
Water hyacinth, 249 (fig.), 250, 254 (gen.).
Water hyacinth, 249 (fig.), 250 (gen.).
Watermelon, 203 (fig.), 255 (gen.).
Water martweed, 251 (fig.), 254 (gen.).
Water martweed, 251 (fig.), 252 (fig.), 253 (fig.), 243.
Whitegreen, creciping, 422 (fig.).
Wintergreen, creciping, 422 (fig.).
Water, 152 (fig.), 152, 326 (fig.).
Vucca, 15, 25 (fig.), 152, 326 (fig.).
Zinnia, 43.
REPTILES AND AMPHIBIANS
Alligator, 18, 250.

Zinnia, 49.

REPTILES AND AMPHIBIA
Alligator, 18, 250.
Amphibians, Iowa, 6 (rev.).
Cnemidophorus sestineatus, 131.
Croccodie, 308.
Dinosaur, 12, 70, 115 (rev.).
Ebbet, 29.
Ebbe collared, 132, carless, 15, 52, fence, 15, 52, fence, 15, 52, fence, 15, 52, fenced, 293 (fig., 294, race-runner, 15, 130-132 (gen., fig.), Texas slated, 15, Lizards, Snakes of Wisconsin, 115 Mossonaur, 70, 71 (fig.), Newt, 20, 20

Mesessaur, 70, 71 (fig.).
Newt, 20.
Pittosporum, 21.
Pittosporum, 22.
Pittosporum, 21.
Pitt red-backed, 354, red-checked, 20, white-headed, 20, white-headed, 19, red-headed, 19, striped, 19, Soake, 128, black, 18, black, 18, black racer, 132, 322 (fig.) bull, 207-210 (gen., fig.) copperhead, 15, cord, 17, 19, (gen., fig.), 500 Dekay's, 500 coral, 17, 19, coru, 466-468; Dekay's, 52, garter, 15, gopher, 15, indigo, 52, King, 52, 132, mole, 52, 355, race-runner, 17. rattlesnake, 15, 18 (fig.), 19, 52, 106,

247, 248, 372.
red racer, 15.
ring-necked, 17
water moceasin, 18.
Spring peepr, 129.
Toad, 63.
Rocky Mi. 15.
Sonoran, 16.

Quaker Meeting House, 81 (fig.). Reasonable Life, 341 (rev.). Reflections of a Physicist, 283 (rev.). Tannin, 181. Terrarium, 41-43 (gen., fig.). Tree champions, 84-87 (gen., fig.). Unburied Treasure, 237-240 (gen., fig.). Woodwork Visualized, 33 (rev.). Tree champions, 84-87 (gen., fig.).
Unburied Treasure, 257-240 (gen., fig.).
Woodwork Visualized, 33 (rev., fig.).
Woodwork Visualized, 33 (rev., fig.).
Woodwork Visualized, 33 (rev., fig.).
Authors.
Allen, Gwenfread, 464-465.
Armknocht, R. F., 129.
Army, Mary T., 366, 401-404.
Assis, St. Francis, 506.
Bachmann, Elisabeth, 41-43.
Backer, W., 378, 386.
Baldwin, S. G., 84-87, 244.
Badwin, S. G., 84-87, 244.
Badwin, S. G., 84-87, 244.
Bather, E. W., Mrs., 378.
Bastin, E. W., 410.
Baxter, J.,
Beatty, M. E., 24.
Bertread, G., 342, 472.
Bertread, G., 342, 472.
Bertread, G., 343, 472.
Bertread, G., 343, 472.
Bertread, G., 343, 472.
Bertread, J. J., 72-73, 108, 149, 233-236, 345-348.
Bilke, Lucy C., 126.
Bischop, S. C., 264-267, 276.
Black, R., 365-368, 349.
Bischord, J. J., 72-73, 108, 149, 233-236, 345-348.
Brown, Elinor H., 232.
Brown, H. P., 74-75, 106.
Brownell, L. W., 196-197, 308-312, 420-424.
Brown, H. P., 74-75, 106.
Brownell, L. W., 196-197, 308-312, 420-424.
Brown, H. P., 74-75, 106.
Carr, A. J., 470.
Carr, Incz, S., 6.
Cerrent, R. C., 551.
Clopton, R. W., 336.
Corrigton, J. D., 34-56, 110-112, 166-192, 470-418, 502-280, 334-336, 391-392, 446-448, 502-280, 334-336, 391-392, 446-448, 502-280, 334-336, 391-392, 446-448, 502-280, 344-336, 391-392, 446-448, 502-280, 344-336, 391-392, 446-448, 502-280, 344-336, 391-392, 446-448, 502-280, 344-336, 391-392, 446-448, 502-280, 344-336, 391-392, 446-448, 502-280, 344-336, 391-392, 446-448, 502-280, 344-336, 391-392, 446-448, 502-280, 344-336, 391-392, 446-448, 502-280, 344-336, 391-392, 446-448, 502-280, 344-336, 391-392, 446-448, 502-280, 344-336, 391-392, 446-448, 502-280, 344-336, 391-392, 446-448, 502-280, 344-336, 391-392, 446-448, 502-280, 344-336, 391-392, 446-448, 502-280, 344-336, 391-392, 446-448, 502-280, 344-336, 391-392, 446-448, 502-280, 334-336, 391-392, 446-448, 502-280, 334-336, 391-392, 446-448, 502-280, 334-336, 391-392, 446-448, 502-280, 334-336, 391-392, 446-448, 502-280, 334-336, 391-392, 446-448, 502-280, 334-336, 391-392, 446-448, 502-280, 334-

Jahoda, W. J., 307-308.
Kaimbach, E. R., 317-329.
Keeler, C. R., 467.
Kiborne, Helen, 434.
Keeler, C. R., 467.
Kiborne, Helen, 434.
Laird, N., 305-306.
Lawrence, W., 220.
Lems, Carol, 549, 551.
Lewis, Isabel M., 44-45, 50, 98-99, 107.
156-157, 168, 211-212, 218, 268-269, 273, 324-325, 332, 379-380, 384, 435-436, 442, 492-435, 552.
Long, E. J., 237-249, 299-302.
Long, E. J., 237-249, 299-302.
Long, E. J., 237-249, 299-302.
Magnuson, Pauline, 248-251.
Macbeth, Madge, 408-409.
Mansuett, R., 16-20, 130-132, 245-246, 353-355, 414-416, 442, 466-468, 500.
Marr, Patrica, 127-129.
McAtee, W. L., 6, 152, 390.
McAtee, W. L., 153-154.
McAtee, W. L., 154-154.
McAtee, 219, 517-519.
Wolcott, Katharyn, 302.
Woodall, A. E., 155.
Woodfield, F. A., 321-322.
Woodson, W. D., 485-487.
Wyatt-Semple, Suc., 325, 489.
Yeomans, W. C., 377.
Zahniser, H., 2-3, 58-59, 114-115, 179-171, 226, 282-283, 338-339, 394-395, 450, 506-507.